

IN THE DRAWING

Please replace Fig. 3 with substitute Fig. 3.

REMARKS

This application has been carefully reviewed in light of the Office Action dated August 27, 2004. Claims 1-17 remain pending in this application. Claims 1 and 13 are the independent claims. Favorable reconsideration is respectfully requested.

Applicant notes with appreciation the indication that Claim 14 would be allowable if rewritten in independent form, including all the limitations of the base claim and any intervening claims. Applicant respectfully refrains from so amending Claim 14 at this time because he believes its respective base claim to be allowable.

In response to the Office Action's objection to the drawings, Applicant respectfully requests that substitute Fig. 3 be entered, which removes the legend "PRIOR ART". Two (2) copies of substitute Fig. 3 are herewith included.

In response to the Office Action's objection to Claims 1-17 for failing to include a comma after "wherein", Applicant respectfully refrains from so amending Claims 2-12 and 14-17 because such an informality is not required by any section of the MPEP, CFR, or U.S.C. Applicant respectfully requests that the objection to Claims 1-17 be withdrawn.

On the merits, the Office Action rejected Claim 12 under 34 U.S.C. § 112, first paragraph. Applicant respectfully believes the

cancellation of Claim 12 renders the rejection moot and respectfully requests its withdrawal.

On the merits, the Office Action rejected Claims 1-4, 7, 10, 13, and 15 under 35 U.S.C. § 102(e) as being anticipated by Walley et al. (U.S. Patent No. 6,301,287; hereinafter "Walley"). The Office Action also rejected Claims 5-6 under 35 U.S.C. § 103(A) as being unpatentable over Walley in view of Eidson et al. (U.S. Patent No. 6,256,477; hereinafter "Eidson"). The Office Action also rejected Claims 8, 9, 11, and 16 under 35 U.S.C. § 103(a) as being unpatentable over Walley in view of Wu et al. (U.S. Patent No. 6,639,946; hereinafter "Wu"). Applicant respectfully traverses the rejections for at least the following reasons:

Walley fails to recite or suggest a first lowpass analog-to-digital converter is directly connected to said amplifier; a second lowpass analog-to-digital converter is directly connected to said amplifier; and a digital signal processor connected to said first and second lowpass analog-to-digital converters. Rather, Walley recites a DSSS communication system having two separate amplifiers 343I and Q connected to separate A/D converters (See, e.g., Col. 4, lines 55-62 and Fig. 2). Walley fails to recite or suggest a single amplifier connected to two A/D converters to save on power consumption and production cost. Thus Applicant respectfully traverses the § 102 rejection of Claim 1.

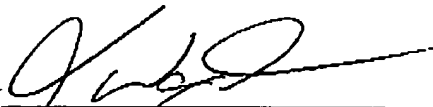
Claim 13 recites a method substantially corresponding to the receiver of Claim 1 and is believed patentable for at least the same reasons.

Claims 2-11 and 15-17 depend from one or another of the independent claims discussed above and are believed patentable for at least the same reasons. In addition, Applicant respectfully believes Claims 2-11 and 15-17 to be independently patentable and request separate consideration of each claim. Additionally, Applicant respectfully believes the above remarks render the § 103 rejections of Claims 5, 6, 8, 9, 11, and 16 moot and requests their withdrawal.

In view of the foregoing remarks, Applicant respectfully requests favorable reconsideration and early passage to issue of the present application.

Applicant's undersigned attorney may be reached by telephone at the number given below.

Respectfully submitted,

By 

Aaron Waxler,  
Reg. 48,027  
(914) 333-9608  
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